

AMENDMENTS TO THE SPECIFICATION

Page 5, please replace the paragraphs comprising lines 5 through 12 inclusive, with the following amended paragraphs:

Figure 1 is a front elevation view of a light pole on which the preferred embodiment first harmonic mode vibration damper damping apparatus is positioned;

Figure 2 is a perspective view of a preferred embodiment of a first half-portion housing component of the first harmonic mode vibration damper apparatus damping device;

Figure 3 is a top plan view of a second half-portion housing component of the first harmonic mode vibration damper apparatus Figure 2;

Figure 4 is a front elevation view of the second half-portion housing component of the Figure 3;

Figure 5 is a rear elevation view of the second half-portion housing component of Figure 3;

Figure 6 is a right side elevation view of the second half-portion housing component of Figure 3;

Page 6, please replace the paragraph at line 12 with the following amended paragraph:

Figure 20 is a perspective view of the cover components.

Page 7, please replace the paragraphs comprising lines 7 through 22 inclusive, with the following amended paragraphs:

The preferred embodiment 20 of the invention comprises a first harmonic mode vibration damper apparatus 20, which in use is mounted on a pole P in an upper position thereof as shown in Figure 1. It should be noted that the first harmonic mode vibration damper apparatus preferred embodiment 20 is mounted at the upper end of pole P adjacent a mounting fitting in the form of a pipe 121 or the like of conventional construction and to which a light or other device is conventionally mounted when the pole is in use. It should also be noted that a conventional second harmonic mode vibration damper 21 of the type disclosed in U.S. Patent No. 3,612,222 is mounted in the mid-portion of pole P.

The primary components of the first harmonic mode vibration damper apparatus preferred embodiment 20 comprise first and second housing component half-portions 22 and 24 respectively, each of which is identical to the other and is formed of cast aluminum. The first housing component half-portion 22 and second housing component half-portion 24 are identical and are associated together to form a unitary housing structure 54 as shown in Figures 16 and 19. The first housing component half-portion 22 will be described in detail and it should be understood that such description is equally applicable to the second housing component half-

portion 24. The numerical designators applied to second housing component half-portion 24 in the drawings correspond to those of first housing component half-portion 22 but have a prime mark ('') added are primed for the sake of clarity.

Page 8, please replace the paragraphs comprising lines 1 through 22 inclusive, with the following paragraphs:

First housing Housing component half-portion 22 has a vertical height of approximately three (3) inches and includes an inner partial cylinder sleeve surface 26 (Figure 2) of an inner partial cylinder sleeve 26S having a center of curvature C and a radius of approximately three (3) inches. Surface 26 which blends into an inner planar surface 28 of a first planar panel plate 25 having an outer end terminating at a first outer connector lug 29 having threaded bore openings 31 as shown in Figure 2. The opposite end of the inner partial cylinder surface 26 terminates at an inner a juncture lug 27 connected to the inner end of a second planar panel plate 30. The outer end of the second planar panel plate 30 terminates in a second an outer connector lug 32 which has smooth bore holes 58 usable for connecting the first housing component half-portion 22 to the connector lug 29' of second housing component half-portion 24. Second outer connector Connector lug 32 is also connected to one end of an outer partial cylinder cylindrical outer sleeve 34 having an inner surface 36 having a radius of approximately eight (8) inches. Outer partial cylinder sleeve 34 is of cylindrical configuration and having has a center of curvature which is coextensive with the center of curvature C of the inner partial cylinder surface 26. The opposite end of outer partial cylinder sleeve 34 merges into the first outer connector lug portion 29 as best shown in Figures 2 and 16.

Internal positioning panels 38 and 40 extend chordally relative to inner partial cylinder sleeve 34 and surface 26 internally of the first housing component half-portion 22 between the inner surface of the outer partial cylinder ~~cylindrical~~ sleeve 34 and the outer surface of the inner partial cylinder sleeve surface 26 so as to divide the interior of first half-housing component 22 into damping weight receiving chambers 42, 44 and 46 each having floor portions 50 and walls oriented 60° relative to each other. A spherical damping weight 48 formed of lead and having a diameter of approximately 2.1875 inches is provided in each weight receiving chamber. The damping weights 48 could also be formed of other heavy metal material or could comprise lead or other metal spheres covered with a polyurethane coating.

Page 8, after line 22, please add the following two new paragraphs:

Second housing component half-portion 24 has a vertical height of approximately three (3) inches and includes an inner partial cylinder sleeve surface 26' (Figure 3) of an inner partial cylinder sleeve 26S' having a radius of approximately three (3) inches. Surface 26S' blends into an inner planar surface 28' of a first planar panel plate 25' having an outer end terminating at a first outer connector lug 29' having threaded bore openings 31' as shown in Figure 5. The opposite end of the inner partial cylinder surface 26' terminates at an inner juncture lug 27' connected to the inner end of a second planar panel plate 30'. The outer end of the second panel plate 30' terminates at a second outer connector lug 32' which has smooth bore holes 58' usable for connecting the second housing component half-portion 24 to the first outer connector lug 29 of first housing component half-portion 22. Second outer connector lug 32' is also connected to one end of an outer partial cylinder sleeve 34' having an inner surface 36' having a radius of

approximately eight (8) inches. Outer partial cylinder sleeve 34' has a center of curvature coextensive with the center of curvature C of the inner partial cylinder surface 26'. The opposite end of outer partial cylinder sleeve 34' merges into connector lug portion 29' as best shown in Figure 3.

Internal positioning panels 38' and 40' extend chordally relative to inner partial cylinder surface 26' of second housing component half-portion 24 and the inner surface of outer partial cylinder 34'. Internal positioning panels 38' and 40' act to define the interior of second half-housing component 24 into damping weight receiving chambers 42', 44' and 46' each having floor portions 50'. A spherical damping weight 48' formed of lead and having a diameter of approximately 2.1875 inches is provided in each of weight receiving chambers 42', 44' and 46'. The damping weights 48' could also be formed of other heavy metal or could comprise lead or other metal spheres covered with a polyurethane coating.

Page 9, please replace the three paragraphs comprising lines 1 through 16 inclusive, with the following three paragraphs:

The upper and lower threaded apertures 31 in first outer connector lug portion 29 of first housing component half-portion 22 are alignable with bore holes 58' in connector lug 32' (Figure 19) of second housing component half-portion 24 so that machine screws 60 can be inserted through bore holes 58' and into threaded apertures 31 for effecting connection of the aligned components 29 and 32' as shown in Figure 16.

Similarly, bore holes 58 in connector lug 32 of first housing component half-portion portion 22 are alignable with threaded apertures 31' in the lug portion 29' of the second housing component half-portion 24. Tightening of the aforementioned machine screws acts to clamp the annular composite assembly consisting of items 22 and 24 as shown in Figure 16 to of pole P when pole P is positioned between surfaces 26 and 26' in an obvious manner.

Completion of the mounting of the assembly on the cylindrical upper end surface of the pole is effected by positioning of metal cover portions 222 and 224 on top of half-portions 22 and 24 either prior to or after the mounting of half-portions 22 and 24 on pole P. The cover portions 222 and 224 are then respectively connected to housing component half-portions 22 and 24 structure by metal screws S and S' passing through apertures 223 and 223' provided in cover portions 222 and 224. therein to enter Screws S and S' are rotated into threaded bores 250 and 250' respectively provided in the housing component half-portions 22 and 24 to effect complete closure of the weight retaining chambers so as to prevent damping weights 48 and 48' from escaping from their respective weight receiving chambers. The completed assembly is then mounted on the cylindrical upper end surface of the pole: